**CODE WRITING TEMPLATE**

**Daily Coding Routine Template**

**1. Planning and Preparation**

* **Define Objectives**: Clearly outline what you aim to achieve with your code.
* **Research**: Gather necessary information, libraries, and tools.
* **Break Down Tasks**: Divide the project into manageable tasks or modules.

**2. Writing Code**

* **Follow Best Practices**: Adhere to coding standards and guidelines.
* **Use Version Control**: Regularly commit your code to a version control system like Git.
* **Write Clean Code**: Ensure your code is readable, maintainable, and well-documented.

**3. Testing and Debugging**

* **Write Tests**: Create unit tests, integration tests, and end-to-end tests.
* **Debug**: Use debugging tools to identify and fix issues.
* **Review**: Conduct code reviews with peers to catch potential problems early.

**4. Documentation**

* **Comment Your Code**: Add meaningful comments to explain complex logic.
* **Create Documentation**: Maintain comprehensive documentation for your codebase.

**5. Continuous Learning**

* **Stay Updated**: Keep up with the latest trends and updates in your programming language and tools.
* **Practice**: Regularly practice coding challenges and contribute to open-source projects.

**6. Reflection and Improvement**

* **Review Your Work**: At the end of the day, review what you have accomplished.
* **Identify Improvements**: Note areas where you can improve and plan for the next day.

**Example Daily Schedule**

**Morning:**

1. **Planning and Preparation** (30 mins)
   * Define objectives for the day.
   * Research and gather resources.
2. **Writing Code** (2 hours)
   * Implement features or fix bugs.
   * Commit changes to version control.

**Afternoon:** 3. **Testing and Debugging** (1 hour)

* Write and run tests.
* Debug and fix issues.

1. **Documentation** (30 mins)
   * Comment code and update documentation.

**Evening:** 5. **Continuous Learning** (1 hour)

* Read articles, watch tutorials, or practice coding challenges.

1. **Reflection and Improvement** (30 mins)
   * Review the day’s work and plan for tomorrow.